

Openbaar Gemacht
den 22. JAN 1914.

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PROVISIONAL SPECIFICATION.

Improvements in Drop-down Guns.

I, FREDERICK BEESLEY, of 2, St. James's Street, Westminster, in the County of London, Gun Maker, do hereby declare the nature of this invention to be as follows:—

My invention relates to that class of two-barrel guns having one barrel super-imposed on the other, and known as "under and over" drop down guns, and refers to improvements in mechanism for ejecting the spent shells.

My invention to eject the spent cartridges, is controlled by the thrust rods, slides, or levers used to compress the mainsprings in closing the gun, or lift the hammer to full cock in opening the gun. It consists of an ordinary extractor head with solid leg, one for each barrel, as is usual in "under and over" guns; the leg is reduced in size over a portion of its length, and such portion is surrounded by a spiral spring; the whole is enclosed in a sleeve or tube through a wall or stop in which the smaller end of the leg is passed, like a piston rod, into a second and similar tube to which it is attached so as to draw the spring up to full tension when the ends of the tubes are in contact. The first tube is provided with lugs by which to actuate it as required. The ends of the tubes are cut away in corresponding sections, so that when the projecting ends on one tube are opposite the recesses in the other, the action of the spring draws them into engagement, allowing the head of the extractor to project out of the first tube as far as may be required. If the tubes be withdrawn apart as far as the piston and spring allow, bringing the extractor head into contact with the first tube, and that tube be revolved, so as to bring the projecting ends on each tube opposite each other, the spring is retained at full tension. The whole combination is contained and arranged to slide in a boring in the side walls of the breech ends of the barrels, the extractor head being shaped to fit in a recess in the breech ends, and grip the rim of the cartridge in the usual manner.

On opening the gun, whether fired or not, the whole combination coming in contact with some part of the breech action slides rearwards, so starting and partly withdrawing the cartridge, spent or unspent, as usual. A lug is provided near the front end of the first tube so that on opening the gun after firing, it comes in contact with the front end of its respective thrust rod, or other limb provided for the purpose: causing the first tube to partly revolve, so allowing the extractor and the second or carrying tube, urged by its spring, to fly backwards to eject the spent cartridge. On closing the gun after this movement has taken place the whole combination is returned into the recess in the breech end and boring in the wall of the barrels, by coming in contact with the breech action the tubes being forced apart from each other in the process, whereupon a reverse revolution of the first tube takes place by means

[Price 8d.]